

2/22/07

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<i>Complete if Known</i>	
		Application Number	10/769,021
		Filing Date	01/30/2004
		First Named Inventor	Robert R. Whittle
		Group Art Unit	1614
Examiner Name	<i>SPIVACK</i>		
Sheet	1 of 1	Attorney Docket Number	5573-115IP7CT7

## U.S. PATENTS AND PATENT PUBLICATIONS

**U.S. PATENT APPLICATIONS**

U.S. PATENT APPLICATIONS				
Examiner Initials*	Cite No.	U.S. Serial No.	Name of Applicant of Cited Document	Date of Filing of Cited Document MM-DD-YYYY
		US-		

## FOREIGN PATENT DOCUMENTS

## OTHER NON PATENT LITERATURE DOCUMENTS

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<b>FORM PTO-1449 U.S. Department of Commerce</b> <b>Patent and Trademark Office</b>				Attorney Docket Number <b>5573-1151P7CT- 5573-1151P7CT7</b>	Serial No. To Be Assigned		
<b>LIST OF DOCUMENTS CITED BY APPLICANT</b> <small>(Use several sheets if necessary)</small>				Applicants: Whittle et al.			
				Filing Date Concurrently herewith	Group: N t vet known		
<b>U. S. PATENT DOCUMENTS</b>							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
MG	1.	4,128,658	12/05/78	Price et al.	424	285	
	2.	4,255,431	03/10/81	Junggren et al.	424	263	
	3.	4,279,819	07/21/81	Price et al.	260	326.5 S	
	4.	4,337,257	06/29/82	Junggren et al.	424	263	
	5.	4,508,905	04/02/85	Junggren et al.	546	271	
	6.	4,555,518	11/26/85	Rainer	514	338	
	7.	4,596,795	06/24/86	Pitha	514	58	
	8.	4,612,378	09/16/86	Bosshard et al.	548	170	
	9.	4,620,008	10/28/86	Brändström et al.	546	271	
	10.	4,628,098	12/09/86	Nohara et al.	546	271	
	11.	4,636,499	01/13/87	Brändström et al.	514	222	
	12.	4,725,691	02/16/88	Brändström et al.	546	172	
	13.	4,727,064	02/23/88	Pitha	514	58	
	14.	4,738,974	04/19/88	Brändström	514	338	
	15.	4,753,955	06/28/88	Matsuishi et al.	514	338	
	16.	4,772,619	09/20/88	Adelstein et al.	514	338	
	17.	4,777,172	10/11/88	Ife et al.	514	234.5	
	18.	4,786,505	11/22/88	Lovgren et al.	424	468	
	19.	4,808,596	02/28/89	Matsuishi et al.	514	303	
	20.	4,820,708	04/11/89	Ife et al.	514	232.8	
	21.	4,840,799	06/20/89	Appelgren et al.	424	493	
	22.	4,853,230	08/01/89	Lovgren et al.	424	466	
	23.	5,021,443	06/04/91	Bru-Magniez et al.	514	394	
	24.	5,045,321	09/03/91	Makino et al.	424	475	
	25.	5,070,101	12/03/91	Kaminski	514	399	

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<b>FORM PTO-1449 U.S. Department of Commerce</b> <b>Patent and Trademark Office</b>				<b>Attorney Docket Number</b> <b>5573-11587CT-3</b> <b>5573-11587CT-7</b>		<b>Serial No.</b> <b>To Be Assigned</b>	
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				<b>Filing Date</b> Concurrently herewith		<b>Group:</b> Not yet known	
<b>U. S. PATENT DOCUMENTS (Cont'd)</b>							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
Wnb	26.	5,075,323	12/24/91	Fain et al.	514	338	
	27.	5,093,132	03/03/92	Makino et al.	424	475	
	28.	5,093,342	03/03/92	Tomoi et al.	514	328	
	29.	5,096,893	03/17/92	Pitha et al.	514	58	
	30.	5,106,863	04/21/92	Hajos et al.	514	395	
	31.	5,124,158	06/23/92	Ruwart et al.	424	449	
	32.	5,178,867	01/12/93	Guitard et al.	424	473	
	33.	5,196,205	03/23/93	Borody	424	653	
	34.	5,204,118	04/20/93	Goldman et al.	424	489	
	35.	5,206,025	04/27/93	Courteille et al.	424	439	
	36.	5,219,870	06/15/93	Kim	514	338	
	37.	5,232,706	08/03/93	Palomo Coll	424	475	
	38.	5,244,670	09/14/93	Upson et al.	424	439	
	39.	5,246,714	09/21/93	Dahlinder et al.	424	497	
	40.	5,288,506	02/22/94	Spickett et al.	424	498	
	41.	5,294,439	03/15/94	Yamasaka et al.	424	78.01	
	42.	5,294,629	03/15/94	Machinami et al.	514	366	
	43.	5,304,540	04/19/94	Blackburn et al.	514	2	
	44.	5,352,688	10/04/94	Kaminski	514	357	
	45.	5,362,424	11/08/94	Lee et al.	264	4.3	
	46.	5,374,730	12/20/94	Slemon et al.	546	271	
	47.	5,385,739	01/31/95	Debregesas et al.	424	494	
	48.	5,386,032	01/31/95	Brändström	546	271	
	49.	5,391,752	02/21/95	Hoerner et al.	546	271	
	50.	5,399,700	03/21/95	Min et al.	546	271	

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				<b>Applicants: Whittle et al.</b>			
				<b>Filing Date Concurrently herewith</b>	<b>Group: N t vet known</b>		
<b>U. S. PATENT DOCUMENTS (Cont'd)</b>							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
MG	51.	5,417,980	05/23/95	Goldman et al.	424	464	
	52.	5,433,959	07/18/95	Makino et al.	424	475	
	53.	5,476,669	12/19/95	Borody	424	653	
	54.	5,508,041	04/16/96	Lee et al.	424	451	
	55.	5,514,660	05/07/96	Zopf et al.	514	25	
	56.	5,518,730	05/21/96	Fuisz	424	426	
	57.	5,536,735	07/16/96	Takechi et al.	514	338	
	58.	5,571,811	11/05/96	Heeres et al.	514	252	
	59.	5,578,732	11/26/96	Kato et al.	546	273.7	
	60.	5,582,837	12/10/96	Shell	424	451	
	61.	5,589,491	12/31/96	Nakanishi et al.	514	338	
	62.	5,599,794	02/04/97	Eek et al.	514	29	
	63.	5,616,593	04/01/97	Patel et al.	514	321	
	64.	5,620,964	04/15/97	Roth et al.	514	53	
	65.	5,622,717	04/22/97	Fuisz	424	488	
	66.	5,629,305	05/13/97	Eek et al.	514	199	
	67.	5,633,244	05/27/97	Eek et al.	514	199	
	68.	5,635,520	06/03/97	Uda	514	338	
	69.	5,637,592	06/10/97	Heeres et al.	514	252	
	70.	5,639,478	06/17/97	Makino et al.	424	475	
	71.	5,639,754	06/17/97	Heeres et al.	514	252	
	72.	5,650,411	07/22/97	Heeres et al.	514	252	
	73.	5,651,987	07/29/97	Fuisz	424	488	
	74.	5,656,286	08/12/97	Miranda et al.	424	449	
	75.	6,262,085	07/17/01	Whittle, et al.	514	338	03/07/00
	76.	6,262,086	07/17/01	Whittle, et al.	514	338	07/31/00

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				<b>Applicants: Whittle et al.</b>			
				<b>Filing Date</b> <b>Concurrently herewith</b>		<b>Group: Not yet known</b>	
<i>m6</i>	77.	6,268,385	07/31/01	Whittle, et al.	514	338	08/24/00
	78.	5,665,730	09/09/97	Senn-Bilfinger et al.	514	300	
<i>m6</i>							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>m6</i>	79.	5,670,932	09/23/97	Kizima	340	384.6	
	80.	5,686,588	11/11/97	Yoo	536	13.3	
	81.	5,693,818	12/02/97	Von Unge	546	273.7	
	82.	5,710,156	01/20/98	Heeres et al.	514	255	
	83.	5,714,504	02/03/98	Lindberg et al.	514	338	
	84.	5,719,161	02/17/98	Rainer	514	300	
	85.	5,728,700	03/17/98	Heeres et al.	514	252	
	86.	5,731,002	03/24/98	Olovson et al.	424	484	
	87.	5,753,630	05/19/98	Zopf et al.	514	25	
	88.	5,766,622	06/16/98	Nelson	424	440	
	89.	5,776,765	07/07/98	Graham et al.	435	280	
	90.	5,811,426	09/22/98	Heeres et al.	514	252	
	91.	5,811,547	09/22/98	Nakamichi et al.	540	589	
	92.	5,817,338	10/06/98	Bergstrand et al.	424	468	
	93.	5,840,552	11/24/98	Holt et al.	435	118	
	94.	5,846,562	12/08/98	Yanai et al.	424	451	
	95.	5,859,030	01/12/99	Kohl et al.	514	338	
	96.	5,877,192	03/02/99	Lindberg et al.	514	338	
	97.	5,916,904	06/29/99	Sato et al.	514	338	
	98.	5,929,244	07/27/99	Von Unge	546	273.7	
<i>m6</i>	99.	5,948,789.	09/07/99	Larsson et al.	514	299	

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~~5573-115IP7CT3~~~~5573-115 IP7CT7~~Serial No.  
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Applicants: Whittle et al.

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Group:

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes   No
PS	100.	0124495 A2	11/07/84	EPO	C07D	401/12	X
	101.	61007281 A2	01/13/86	JAPAN	C07D	513/14	X (Abstract)
	102.	0166287 B1	01/02/86	EPO	C07D	401/12	X
PS	103.	0171372 A1	02/12/86	EPO	C07D	513/14	X
	104.	61205211	09/11/86	JAPAN	A61K	031/44	X (Abstract)
DS	105.	0197013 A1	10/08/86	EPO	C07D	401/12	X
	106.	61271259	12/01/86	JAPAN	C07C	93/14	X (Abstract)
	107.	02049774 A2	02/20/90	JAPAN	C07D	235/28	X (Abstract)
	108.	4035455 A1	05/14/92	GERMANY	C07D	401/12	X
	109.	WO 89/03829	05/05/89	WIPO	C07D	401/12	X
PS	110.	0484265 A1	05/06/92	EPO	C07D	401/12	X
	111.	WO 92/08716	05/29/92	WIPO	C07D	401/12	X (Abstract)
	112.	WO 93/21920	11/11/93	WIPO	A61K	31/44	X
	113.	WO 94/02141	02/03/94	WIPO	A61K	31/44	X
PS	114.	0585722 A1	03/09/94	EPO	A61K	31/44	X
	115.	06096581	04/08/94	JAPAN	G11C	114/01	X (Abstract)
	116.	06316573	11/15/94	JAPAN	C07D	401/12	X (Abstract)
	117.	WO 94/27988	12/08/94	WIPO	C07D	401/12	X
	118.	WO 95/01783	01/19/95	WIPO	A61K	9/24	X
	119.	WO 95/01977	01/19/95	WIPO	C07D	401/12	X
	120.	WO 95/18612	07/13/95	WIPO	A61K	31/44	X
	121.	WO	12/07/95	WIPO	C07D	401/12	X

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LIST OF DOCUMENTS CITED BY APPLICANT  (Use several sheets if necessary)				Applicants: Whittle et al.			
				Filing Date Concurrently herewith			Group: N t vet known
		95/32957					
122.	WO96/01622	01/25/96	WIPO	A61K	9/24	X	
123.	WO 96/01623	01/25/96	WIPO	A61K	9/26	X	
124.	WO 96/02535	02/01/97	WIPO	C07D	401/12	X	
FOREIGN PATENT DOCUMENTS (Cont'd.)							
	Document Number	Date	Country	Class	Subclass	Translation Yes   No	
125.	WO 97/20851	06/12/97	WIPO	C07F	7/08	X	
126.	WO 97/25030	07/17/97	WIPO	A61K	9/46	X	
127.	WO 98/19668	05/14/98	WIPO	A61K	9/50	X	
128.	WO 98/53803	12/03/98	WIPO	A61K	9/28	X	
129.	WO 98/54171	12/03/98	WIPO	C07D	401/12	X	
130.	WO 99/08500	02/25/99	WIPO	NONE		X	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
PS	131.	"The Mechanism of Action of the Gastric Acid Secretion Inhibitor Omeprazole," <i>Journal of Medicinal Chemistry</i> 29:8 1327-1329 (1986).					
PS	132.	Beckett et al.; "4-Hydroxybenzazoles: Preparation and Antibacterial Activities," <i>J. Pharm. and Pharmacol</i> 8:661-665 (1956).					
PS	133.	Brändström et al.; "Structure activity relationships of substituted benzimidazoles," <i>Scandinavian Journal of Gastroenterology</i> 20:Supplemental 108 15-22 (1985).					
PS	134.	Brändström et al.; "Chemical Reactions of Omeprazole and Omeprazole Analogues. I. A Survey of the Chemical Transformations of Omeprazole and its Analogues," <i>Acta Chemica Scandinavica</i> 43:536-548 (1989).					
PS	135.	Brändström et al.; "Chemical Reactions of Omeprazole and Omeprazole Analogues. II. Kinetics of the Reaction of Omeprazole in the Presence of 2-Mercaptoethanol," <i>Acta Chemica Scandinavica</i> 43:549-568 (1989).					
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		<b>Applicants:</b> Whittle et al.	
		<b>Filing Date</b> Concurrently herewith	<b>Group:</b> Not yet known
137.	Brändström et al.; "Chemical Reactions of Omeprazole and Omeprazole Analogues. IV. Reactions of Compounds of the Omeprazole System with 2-Mercaptoethanol," <i>Acta Chemica Scandinavica</i> 43:577-586 (1989).		
138.	Brändström et al.; "Chemical Reactions of Omeprazole and Omeprazole Analogues. V. The Reaction of N-Alkylated Derivatives of Omeprazole Analogues with 2-Mercaptoethanol," <i>Acta Chemica Scandinavica</i> 43:587-594 (1989).		
139.	Brändström et al.; "Chemical Reactions of Omeprazole and Omeprazole Analogues. VI. The Reactions of Omeprazole in the Absence of 2-Mercaptoethanol," <i>Acta Chemica Scandinavica</i> 43:595-611 (1989).		
140.	Clissold et al.; "Omeprazole A Preliminary Review of its Pharmacodynamic and Pharmacokinetic Properties, and Therapeutic Potential in Peptic Ulcer Disease and Zollinger-Ellison Syndrome," <i>Drugs</i> 32:15-47 (1986).		
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141.	Erlandsson; "Resolution of the enantiomers of omeprazole and some of its analogues by liquid chromatography on a trisphenylcarbomoylcellulose-based stationary phase. The effect of the enantiomers of omeprazole on gastric glands," <i>Journal of Chromatography</i> 532:305-319 (1990).		
142.	Lindberg et al.; "Structure-activity relationships of omeprazole analogues and their mechanism of action," <i>TIPS</i> 8:399-402 (October 1987).		
143.	Maier et al.; "Diphenylethanediamine (DPEDA) Derivatives as Chiral Selectors: IV. A Comparison of 3,5-Dinitrobenzoylated (S,S)- and (S,R)-DPEDA-Derived Chiral Stationary Phases with Pirkle's Standard (R)-Phenylglycine-Derived Phase in Normal Phase HPLC," <i>Chirality</i> 6:116-128 (1994).		
144.	Marie et al.; "Separation of enantiomers using cellulase (CBH I)-silica as a chiral stationary phase," <i>Journal of Chromatography</i> 582:233-248 (1991).		
145.	Marie et al.; "Chiral stationary phases based on intact and fragmented cellobiohydrolase I immobilized on silica," <i>Journal of Chromatography</i> 648:333-347 (1993).		
146.	Ohishi et al.; "Structure of 5-Methoxy-2-[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazole (Omeprazole)," <i>Acta Cryst. C</i> 45:1921-1923 (1989).		
147.	Sachs et al.; "Gastric H,K-ATPase as Therapeutic Target," <i>Ann. Rev. Pharmacol. Toxicol.</i> 28:269-284 (1988).		
148.	Uray et al.; "Diphenylethanediamine derivatives as chiral selectors VIII. Influence of the second amido function on the high-performance liquid chromatographic enantioseparation characteristics of (N-3,5-dinitrobenzoyl)-diphenylethanediamine based chiral stationary phases," <i>Journal of Chromatography A</i> 799:1+2 67-81 (March 1998).		
149.	von Unge et al.; "Stereochemical assignment of the enantiomers of omeprazole from X-ray analysis of a fenchylexymethyl derivative of (+)-(R)-omeprazole," <i>Tetrahedron: Asymmetry</i> 8:12 1967-1970 (1997).		
150.	U.S. Patent Application No. 09/629,587 to Whittle, et al. entitled <i>Pharmaceutical Formulations</i> ; filed July 31, 2000.		
151.	U.S. Patent Application No. 09/628,840 to Whittle, et al. entitled <i>Method of Improving Bioavailability</i> ; filed July 31, 2000.		

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		<b>Filing Date</b> Concurrently herewith	<b>Group:</b> Not yet known
152.	U.S. Patent Application No. 09/629,634 to Whittle, et al. entitled <i>Pharmaceutical Unit Dosage Form</i> ; filed July 31, 2000.		
153.	U.S. Patent Application No. 09/645,148 to Whittle, et al. entitled <i>Dry Blend Pharmaceutical Unit Dosage Form</i> ; filed August 24, 2000.		

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